

INTERNATIONAL SEARCH REPORT

Application No.
PCT/L 03/01093

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J23/89 B01J27/128 B01J27/138 C07C17/156 C07C19/045
B01J27/051

10/502056

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 401 891 A (ICI LTD) 30 March 1979 (1979-03-30) page 1, line 1 - line 10 page 1, line 30 -page 4, line 34; claims; examples; tables	1-15
X	EP 0 577 059 A (SUMITOMO CHEMICAL CO) 5 January 1994 (1994-01-05) page 2, line 3 -page 4, line 17; claims; examples; tables	1-15
X	GB 1 373 296 A (SUMITOMO CHEMICAL CO) 6 November 1974 (1974-11-06) page 1, line 10 -page 2, line 120; claims; examples; tables	1-15
	--- -/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *G* document member of the same patent family

Date of the actual completion of the international search

6 October 2003

Date of mailing of the international search report

15/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

de Cauwer, R

INTERNATIONAL SEARCH REPORT

Internat. Application No.
 PCT/EP 03/01093

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 461 846 A (SUMITOMO CHEMICAL CO) 19 January 1977 (1977-01-19) page 1, line 10 -page 2, line 125; claims; examples; tables	1-15
X	US 6 072 078 A (NICOLAU IOAN ET AL) 6 June 2000 (2000-06-06) column 2, line 20 - line 40 column 3, line 25 -column 4, line 43 column 5, line 46 -line 60; claims; examples; tables	1-10
X	US 5 347 046 A (WHITE JAMES F ET AL) 13 September 1994 (1994-09-13) column 2, line 22 -column 6, line 10; claims; examples; tables	1-10
X	US 6 057 260 A (NICOLAU IOAN ET AL) 2 May 2000 (2000-05-02) column 2, line 19 -column 6, line 3; claims; examples; tables	1-10
X	US 5 958 825 A (MELDER JOHANN-PETER ET AL) 28 September 1999 (1999-09-28) column 1, line 5 -column 3, line 59; claims; examples; tables	1-10

INTERNATIONAL SEARCH REPORT

International patent family members

Intern. Application No.

PCT/EP 03/01093

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2401891	A	30-03-1979	AU 521294 B2	25-03-1982
			AU 3936878 A	06-03-1980
			CA 1116587 A1	19-01-1982
			DE 2837514 A1	15-03-1979
			FR 2401891 A1	30-03-1979
			GB 2003740 A ,B	21-03-1979
			JP 54055505 A	02-05-1979
			NL 7808938 A	08-03-1979
			ZA 7804827 A	29-08-1979
EP 0577059	A	05-01-1994	JP 3092330 B2	25-09-2000
			JP 6009445 A	18-01-1994
			DE 69314101 D1	30-10-1997
			DE 69314101 T2	15-01-1998
			EP 0577059 A1	05-01-1994
			US 5334789 A	02-08-1994
GB 1373296	A	06-11-1974	JP 52030484 B	09-08-1977
			JP 48056607 A	09-08-1973
			JP 51029122 B	24-08-1976
			JP 48039449 A	09-06-1973
			JP 56002052 B	17-01-1981
			DE 2232301 A1	26-04-1973
			FR 2143931 A1	09-02-1973
			IT 958619 B	30-10-1973
			NL 7209256 A	03-01-1973
GB 1461846	A	19-01-1977	JP 49117406 A	09-11-1974
			JP 53012485 B	01-05-1978
			DE 2413148 A1	03-10-1974
			FR 2222339 A1	18-10-1974
			IT 1003838 B	10-06-1976
			NL 7403821 A	24-09-1974
US 6072078	A	06-06-2000	AU 736524 B2	26-07-2001
			AU 1620799 A	05-07-1999
			AU 762149 B2	19-06-2003
			AU 8154401 A	13-12-2001
			BR 9813466 A	10-10-2000
			CA 2312351 A1	24-06-1999
			CN 1104281 B	02-04-2003
			EP 1037706 A1	27-09-2000
			HU 0004462 A2	28-04-2001
			JP 2002508240 T	19-03-2002
			NO 20002961 A	09-06-2000
			NZ 505647 A	31-01-2003
			PL 340765 A1	26-02-2001
			RU 2202411 C2	20-04-2003
			TR 200001681 T2	22-01-2001
			TW 516975 B	11-01-2003
			WO 9930818 A1	24-06-1999
			US 6057260 A	02-05-2000
			ZA 9811383 A	12-06-2000
US 5347046	A	13-09-1994	AU 6912994 A	20-12-1994
			BR 9406696 A	19-03-1996
			CN 1123527 A	29-05-1996
			EP 0708684 A1	01-05-1996

INTERNATIONAL SEARCH REPORT

Information on patent family members

Application No. PCT/EP 03/01093

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5347046	A	JP 8510685 T WO 9427720 A1	12-11-1996 08-12-1994
US 6057260	A	02-05-2000	
		US 6072078 A	06-06-2000
		AU 736524 B2	26-07-2001
		AU 1620799 A	05-07-1999
		AU 762149 B2	19-06-2003
		AU 8154401 A	13-12-2001
		BR 9813466 A	10-10-2000
		CA 2312351 A1	24-06-1999
		CN 1104281 B	02-04-2003
		EP 1037706 A1	27-09-2000
		HU 0004462 A2	28-04-2001
		JP 2002508240 T	19-03-2002
		NO 20002961 A	09-06-2000
		NZ 505647 A	31-01-2003
		PL 340765 A1	26-02-2001
		RU 2202411 C2	20-04-2003
		TR 200001681 T2	22-01-2001
		TW 516975 B	11-01-2003
		WO 9930818 A1	24-06-1999
		ZA 9811383 A	12-06-2000
US 5958825	A	28-09-1999	
		DE 19645047 A1	07-05-1998
		CN 1185995 A	01-07-1998
		EP 0839575 A2	06-05-1998
		JP 10174875 A	30-06-1998

PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION CONCERNING
SUBMISSION OR TRANSMITTAL
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 211)

Isenbruck, Günter
Isenbruck, Bösl, Hörschler
Theodor-Heuss-Anlage 12
D-68165 Mannheim
GermanyTo:
ISENBRUCK, Günter
Isenbruck, Bösl, Hörschler
Theodor-Heuss-Anlage 12
68165 Mannheim
Germany

B 1	
B 2	
B 3	
Sekr	AS
EDV	
Ablg.	

Date of mailing (day/month/year) 24 April 2003 (24.04.03)	12. Mai 2003	
Applicant's or agent's file reference B01/0928PC	Frist: Vorfrist: VV:	IMPORTANT NOTIFICATION
International application No. PCT/EP03/01093	International filing date (day/month/year) 04 February 2003 (04.02.03)	
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 05 February 2002 (05.02.02)	
Applicant BASF AKTIENGESELLSCHAFT et al		

- The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
- An asterisk(*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
05 Febr 2002 (05.02.02)	10204608.5	DE	09 Apr 2003 (09.04.03)
07 Augu 2002 (07.08.02)	10236254.8	DE	09 Apr 2003 (09.04.03)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Evelyne DURAND
Facsimile No. (41-22) 740-1435	Telephone No. (41-22) 338 8236

Corrected Version / Version corrigée

From the INTERNATIONAL BUREAU

PCT

NOTICE INFORMING THE APPLICANT OF THE
COMMUNICATION OF THE INTERNATIONAL
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

To:

ISENBRUCK, Günter
Isenbruck, Bösl, Hörschler
Theodor-Heuss-Anlage 12
68165 Mannheim
ALLEMAGNE

B 1	
B 2	
B 3	
Sekr	<i>els</i>
EDV	
Abg.	

Date of mailing(day/month/year)
14 August 2003 (14.08.03)Isenbruck I Bösl I Hörschler I
Wichmann I Huhn, Patentanwälte
Theodor-Heuss-Anlage 12
D-68165 Mannheim

02. Okt. 2003

Applicant's or agent's file reference
B01/0928PC

IMPORTANT NOTICE

International application No.
PCT/EP03/01093Vorfrist:
VV:International filing date(day/month/year)
04 February 2003 (04.02.03)Priority date(day/month/year)
05 February 2002 (05.02.02)

Applicant

BASF AKTIENGESellschaft

1. Notice is hereby given that the International Bureau has **communicated**, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this notice:

AU, AZ, BY, CH, CN, CO, DE, DZ, HU, JP, KG, KP, KR, MD, MK, MZ, RU, TM, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BZ, CA, CR, CU, CZ, DK, DM, EA, EC, EE, EP, ES, FI, GB, GD, GE, GH,
GM, HR, ID, IL, IN, IS, KE, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MG, MN, MW, MX, NO, NZ, OA, OM, PH, PL, PT, RO,
SC, SD, SE, SG, SK, SL, TJ, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this notice is a copy of the international application as published by the International Bureau on 14 August 2003 (14.08.03) under No. 03/066214

4. **TIME LIMITS** for filing a demand for international preliminary examination and for entry into the national phase

The applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be **30 MONTHS** from the priority date, not only in respect of any elected Office if a demand for international preliminary examination is filed before the expiration of **19 months** from the priority date, but also in respect of any designated Office, in the absence of filing of such demand, where Article 22(1) as modified with effect from 1 April 2002 applies in respect of that designated Office. For further details, see *PCT Gazette* No. 44/2001 of 1 November 2001, pages 19926, 19932 and 19934, as well as the *PCT Newsletter*, October and November 2001 and February 2002 issues.

In practice, **time limits other than the 30-month time limit** will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For **regular updates on the applicable time limits** (20, 21, 30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

For filing a **demand for international preliminary examination**, see the *PCT Applicant's Guide*, Volume I/A, Chapter IX. Only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II).

It is the applicant's **sole responsibility** to monitor all these time limits.

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Judith Zahra

Facsimile No.(41-22) 740.14.35

Telephone No.(41-22) 338.91.11